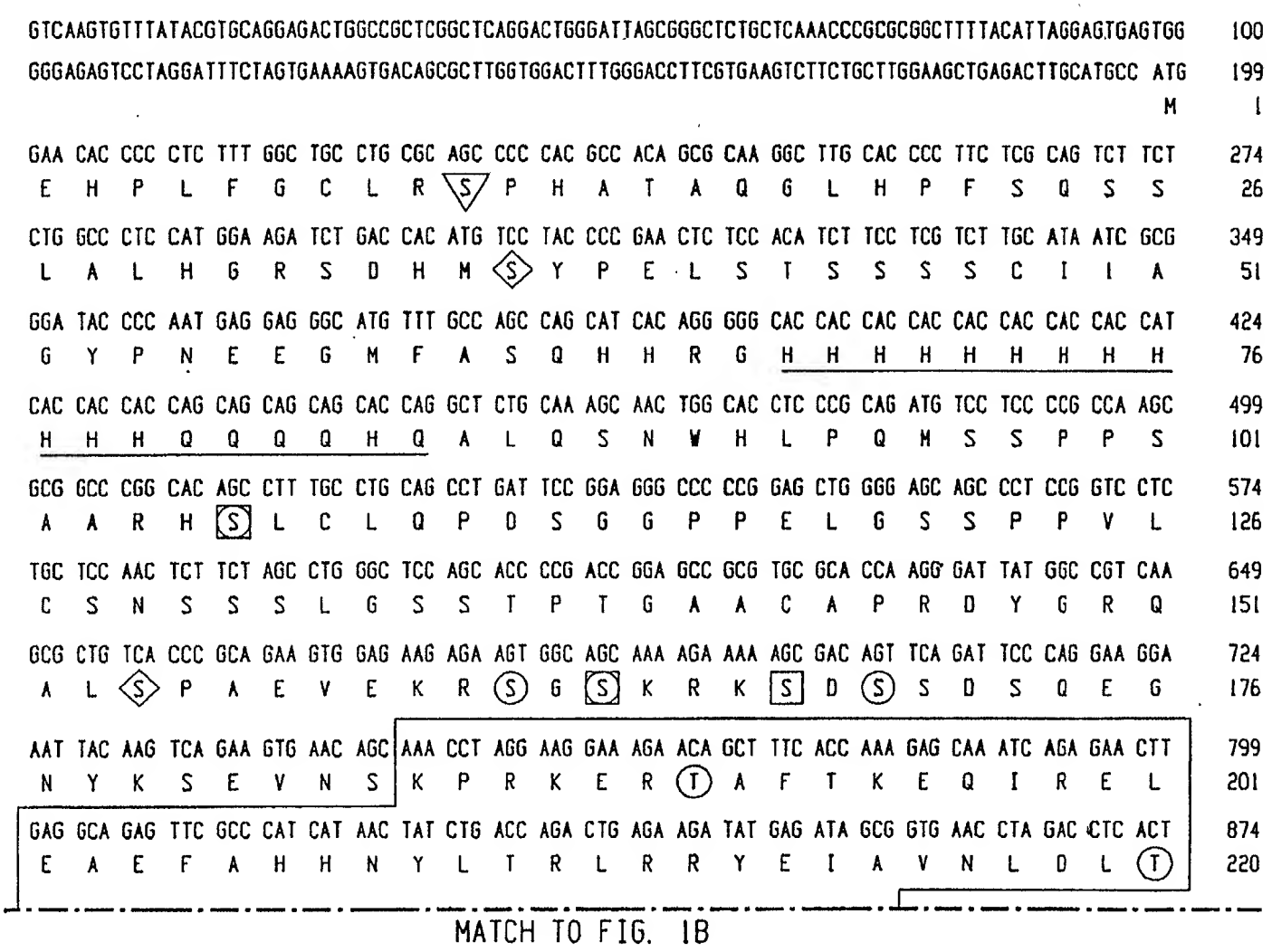

GTCAAGTGTTTATACGTGCAGGAGACTGGCCGCTCGGCTCAGGACTGGGATTAGCGGGCTCTGCTCAAACCCGCGCGGCTTTTACATTAGGAGTGAGTGG 100
GGGAGAGTCCTAGGATTTCTAGTGAAAAGTGACAGCGCTTGGTGGACTTTGGGACCTTCGTGAAGTCTTCTGCTTGGAAGCTGAGACTTGCATGCC ATG 199
M 1
GAA CAC CCC CTC TTT GGC TGC CTG CGC AGC CCC CAC GCC ACA GCG CAA GGC TTG CAC CCC TTC TCG CAG TCT TCT 274
E H P L F G C L R S P H A T A Q G L H P F S Q S S 26
CTG GCC CTC CAT GGA AGA TCT GAC CAC ATG TCC TAC CCC GAA CTC TCC ACA TCT TCC TCG TCT TGC ATA ATC GCG 349
L A L H G R S D H M S Y P E L S T S S S S C I I A 51
GGA TAC CCC AAT GAG GAG GGC ATG TTT GCC AGC CAG CAT CAC AGG GGG CAC CAC CAC CAC CAC CAC CAC CAC CAT 424
G Y P N E E G M F A S Q H H R G H H H H H H H H H 76
CAC CAC CAC CAG CAG CAG CAG CAC CAG GCT CTG CAA AGC AAC TGG CAC CTC CCG CAG ATG TCC TCC CCG CCA AGC 499
H H H Q Q Q Q H Q A L Q S N W H L P Q M S S P P S 101
GCG GCC CGG CAC AGC CTT TGC CTG CAG CCT GAT TCC GGA GGG CCC CCG GAG CTG GGG AGC AGC CCT CCG GTC CTC 574
A A R H S L C L Q P D S G G P P E L G S S P P V L 126
TGC TCC AAC TCT TCT AGC CTG GGC TCC AGC ACC CCG ACC GGA GCC GCG TGC GCA CCA AGG GAT TAT GGC CGT CAA 649
C S N S S S L G S S T P T G A A C A P R D Y G R Q 151
GCG CTG TCA CCC GCA GAA GTG GAG AAG AGA AGT GGC AGC AAA AGA AAA AGC GAC AGT TCA GAT TCC CAG GAA GGA 724
A L S P A E V E K R S G S K R K S D S S D S Q E G 176
AAT TAC AAG TCA GAA GTG AAC AGC AAA CCT AGG AAG GAA AGA ACA GCT TTC ACC AAA GAG CAA ATC AGA GAA CTT 799
N Y K S E V N S K P R K E R T A F T K E Q I R E L 201
GAG GCA GAG TTC GCC CAT CAT AAC TAT CTG ACC AGA CTG AGA AGA TAT GAG ATA GCG GTG AAC CTA GAC CTC ACT 874
E A E F A H H N Y L T R L R R Y E I A V N L D L T 220
MATCH TO FIG. 1B

FIG. 1A

MATCH TO FIG. 1A

```
GAA AGA CAG GTG AAA GTG TGG TTC CAG AAC AGG AGA ATG AAG TGG AAG CGG GTC AAG GGG GGA CAA CAA GGA GCT   949
 E   R   Q   V   K   V   N   F   Q   N   R   R   H   K   N   K   R   V   K   G   G   Q   Q   G   A   251

GCA GCC CGA GAA AAG GAA CTG GTG AAT GTG AAA AAG GGA ACA CTT CTT CCA TCA GAG CTG TCA GGA ATT GGT GCA  1024
 A   A   R   E   K   E   L   V   N   V   K   K   G  (T)  L   L   P   S   E   L   S   G   I   G   A   276

GCC ACC CTC CAG CAG ACA GGG GAC TCA CTA GCA AAT GAC GAC AGT CGC GAT AGT GAC CAC AGC TCT GAG CAC GCA  1099
 A   T   L   Q   Q   T   G   D   S   L   A   N   D   D   S   R   D  [S]  D   H   S   S   E   H   A   301

CAC TTA TGA TACATACAGAGACCAGCTCCGTTCTCAGGAAAGCACCATTGTGATGGCAAATCTCACCCAAACATCGTTTACATGGCAGATGACTGTG  1196
 H   L STOP                                                                                          303

GCAGTGTTGCTTAATATAATTAAACGCAGGCATCTCAAGTCTGTTTCTCATGATTGATAGAAGGTTTACACTAAGTGCCTCTTATTGAAGATGCTTCCAC  1296

AGTGAAATTGGAGAAAGTGAACATATCTAAATATACTTGTTCCTTATATGACAGAGAGGGAGATGAATGTTTGCTTTGGCTTGCACTGAAAATTAAATTG  1396

CTACCAAGAGCAAACTCGGTAAGACATTTTGACTCAAGTTGTCTCCAGAGTGAAGATGTTATAGAAATGCTTTGAACATTCCAGTTGTACCAGGTCATGT  1496

GTGTGACACTGGGCAGGTATTTGCTTTTGCTTGCACTGAAACTTAAACTGCTATCAAGTTAACCCATGAAATAGTTTATCTTGAACAGCCACAGTGCCTG  1596

AAATCACCAAGTGGATATAAAATGAACTGAAATTCTGTATATATTACTCCTAAGTCATTTTCCTGTCTTCACTAATTTTAGCAAATGCATTCATATTAGC  1696

TGATGAAAATAGGCTTTCCCGTGGACAAATGCAGCCAGCTTCTTGTATTTTTATACATTTTTTTGTCAGTCAGAGACATCAGTATGTGCTTACTTGTGTT  1796

CAAGTAGAGGAAATGCAGTAGAGTCTGATAGGACATATTCTTGGTACCACAGACAAAACAAATCTTCTGTTGCATTGACTATCAACTGCTGCAGATACAT  1896

TAGAGAACACACCTAGCCCCCCTCCAGCCTCCCTCTGTTATCGCTCGAAGACATTAGCGTCATAGGCAAGTAGTTACCTTGCCAAATGAGTCTTGTGTGG  1996

CAGATGTCTGATTTTGTATCTTTAAACTGTTAATGGTATGTGTCTGCTTCAGTTAACAGGGAAAAAGATTTCTTCCTCATTGTTTATGATACAAAACCCA  2096

AGTGCCAAACAAAGCTAGTTCTTCAAGGGATAGATGAGAAACTGAATGTCTGACAAGTAGACTCAGCGAAAATACATTATTTTTCAGAGGCTGTGTATTC  2196

ATGCAGTACAAGTCCTTGTATTTTGTAAAAAAAAAAGTTAAATAAATG                                                    2244
```

FIG. 1B

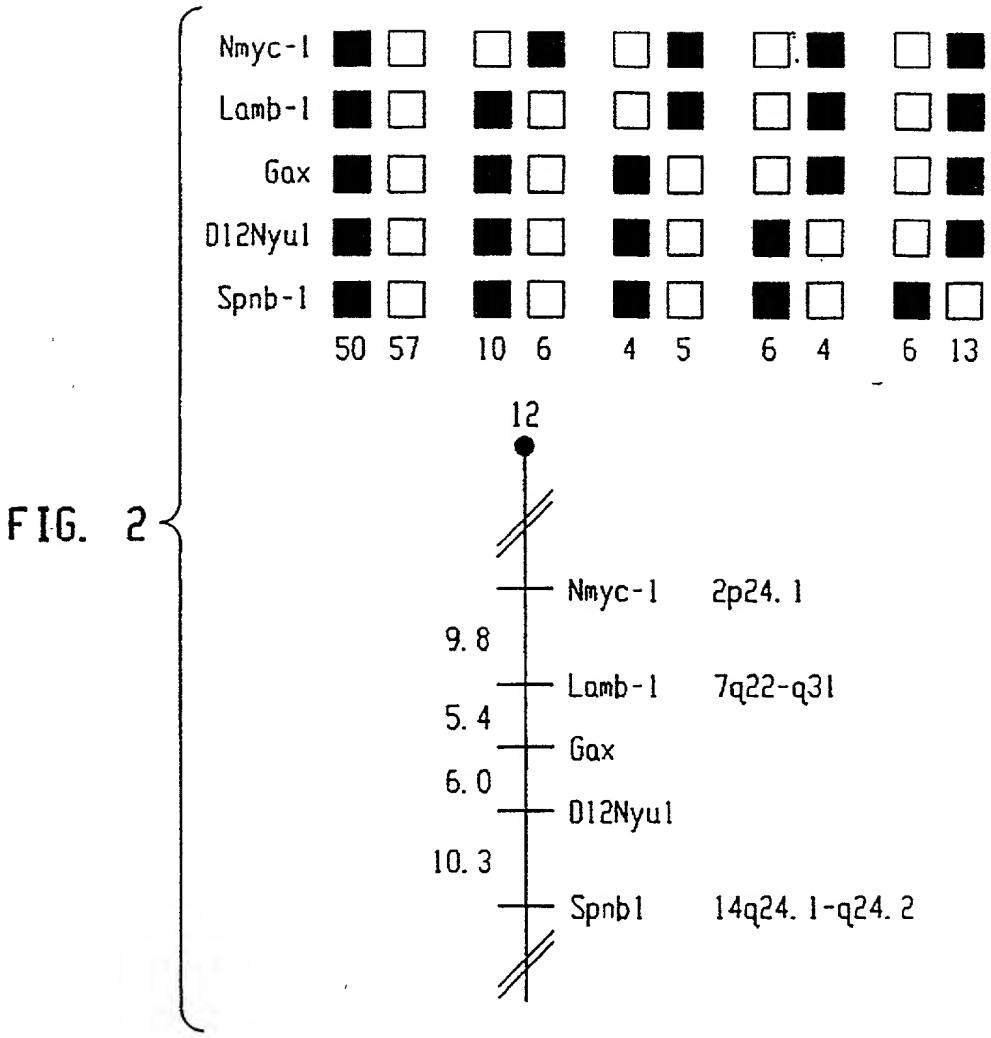

Nmyc-1
Lamb-1
Gax
D12Nyu1
Spnb-1
50 57 10 6 4 5 6 4 6 13
12
Nmyc-1 2p24.1
9.8
Lamb-1 7q22-q31
5.4
Gax
6.0
D12Nyu1
10.3
Spnb1 14q24.1-q24.2

FIG. 2

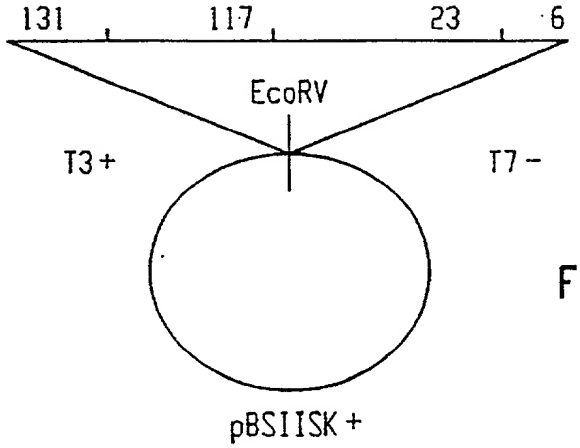

131
117
23
6
EcoRV
T3+
T7-
pBSIISK+

FIG. 4

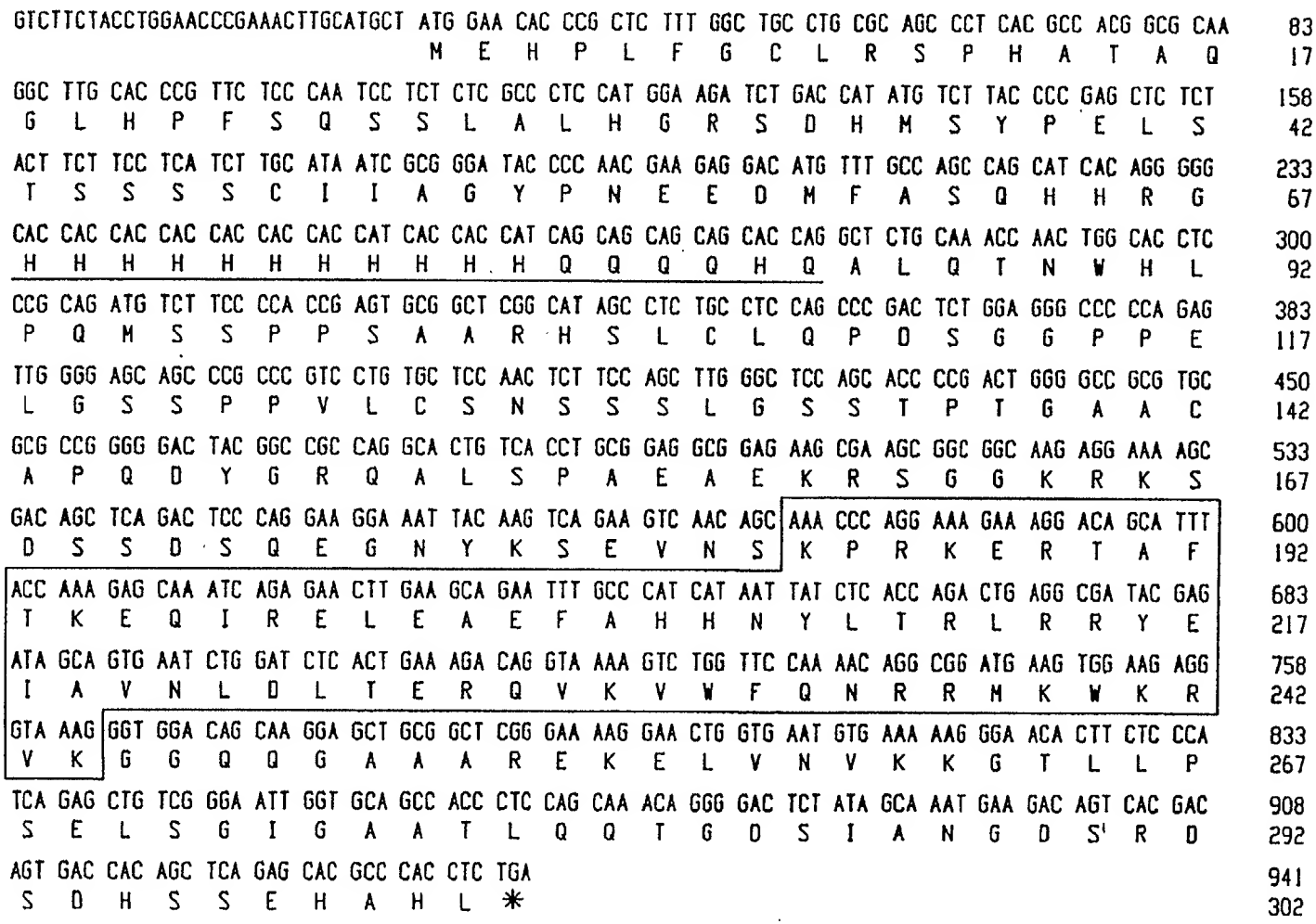


FIG. 3

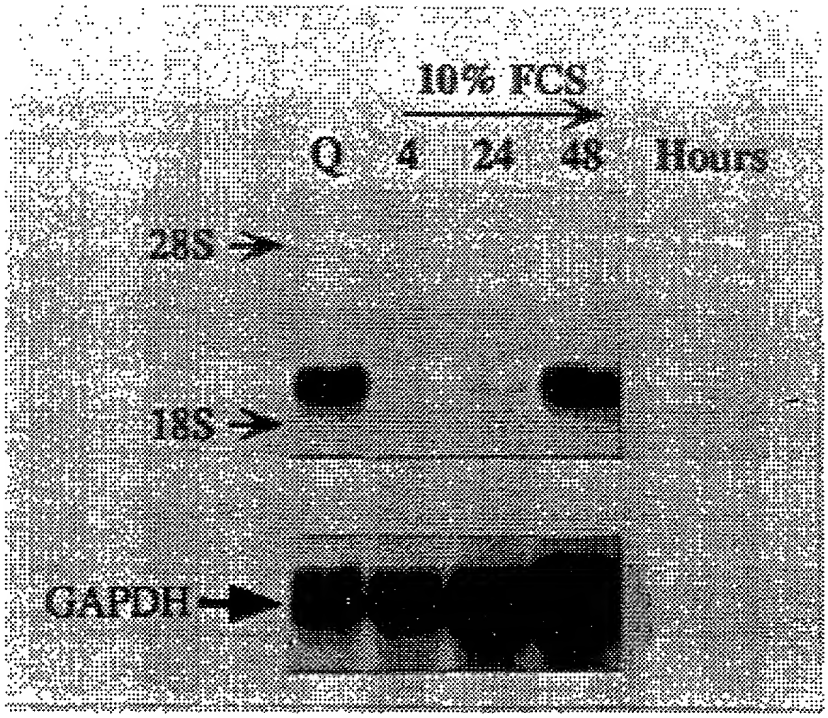

10% FCS
Q 4 24 48 Hours
28S
18S
GAPDH

FIG. 5A

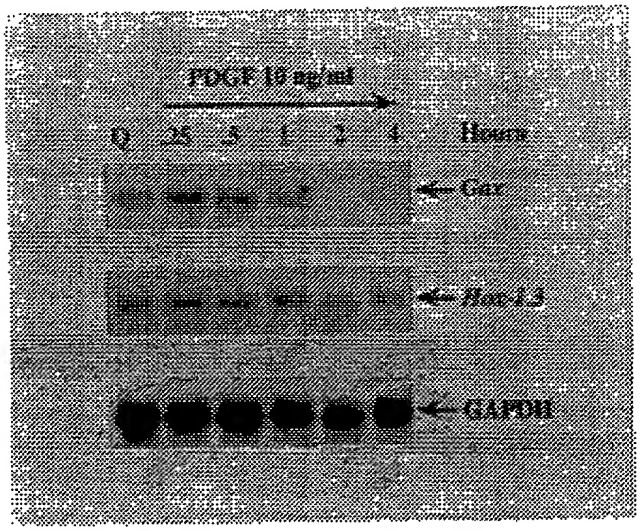

PDGF 10 ng/ml
Q .25 .5 1 2 4 Hours
Gax
Hox-1.3
GAPDH

FIG. 5B

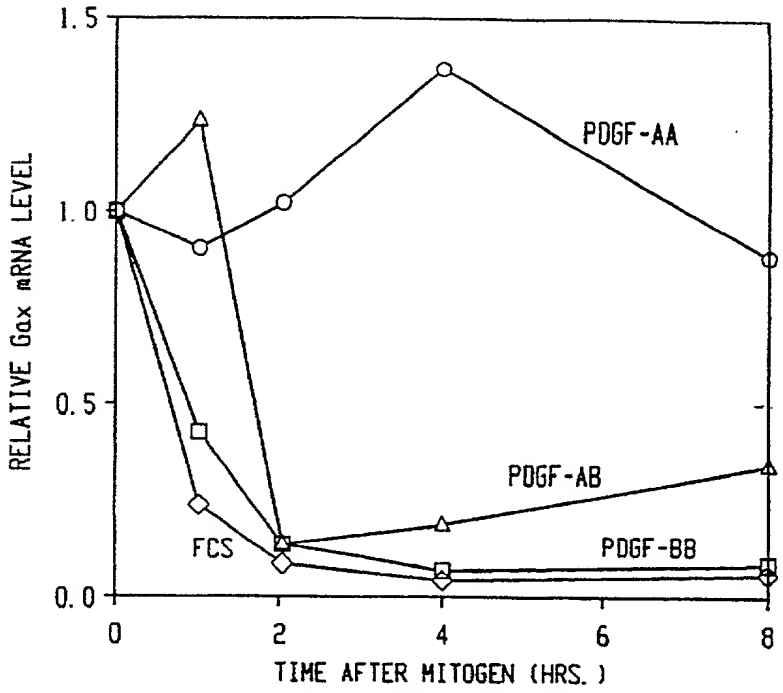

1.5
1.0
0.5
0.0
RELATIVE Gax mRNA LEVEL
PDGF-AA
PDGF-AB
PDGF-BB
FCS
0
2
4
6
8
TIME AFTER MITOGEN (HRS.)

FIG. 6

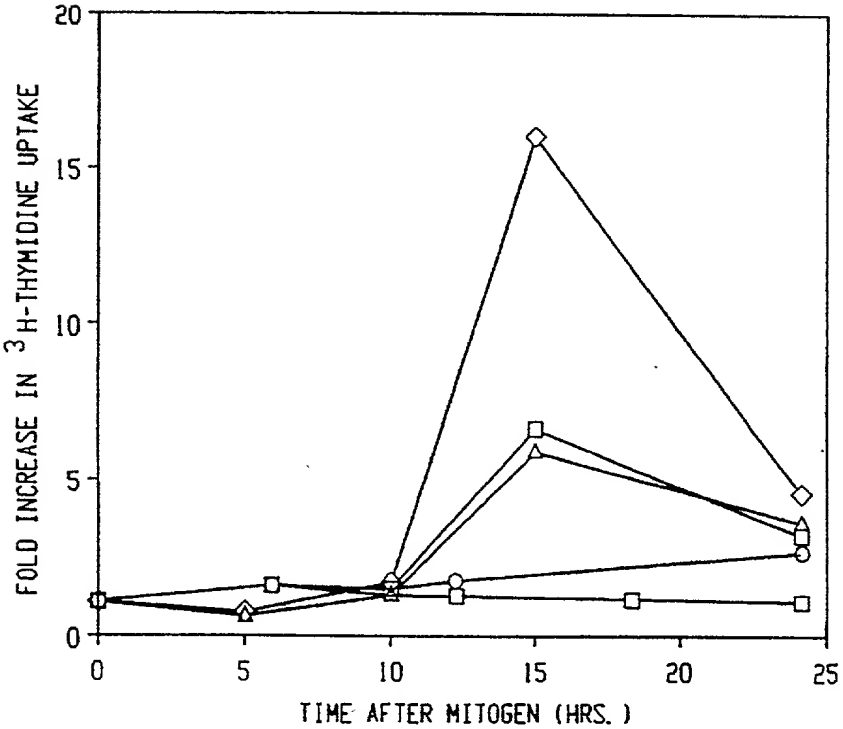

20
15
10
5
0
FOLD INCREASE IN ^{3}H-THYMIDINE UPTAKE
0
5
10
15
20
25
TIME AFTER MITOGEN (HRS.)

FIG. 7

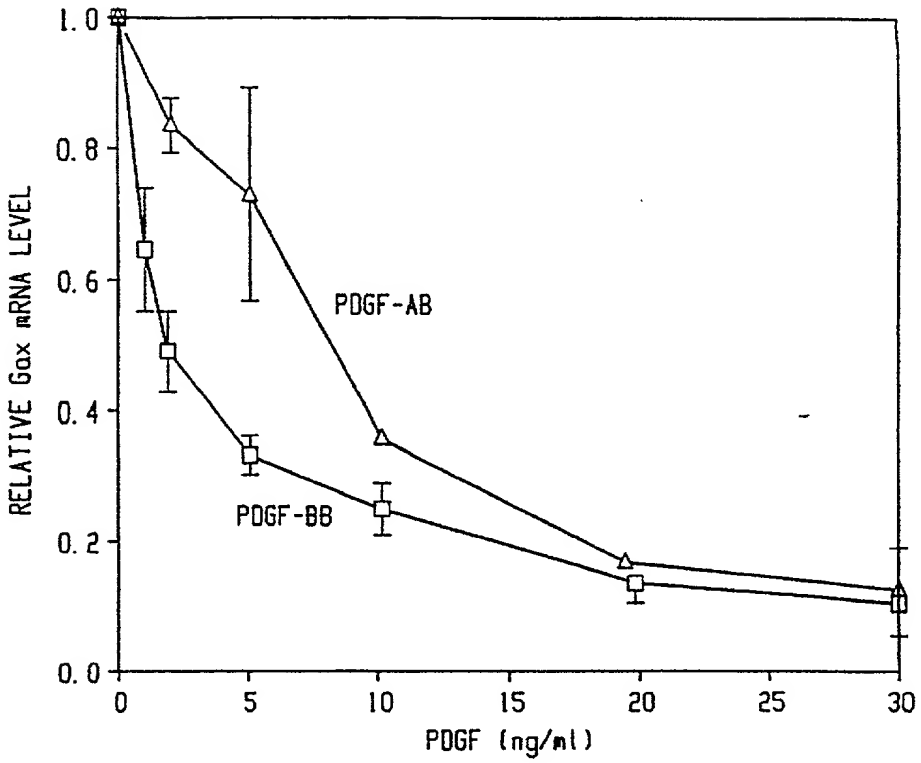

1.0
0.8
0.6
0.4
0.2
0.0
RELATIVE Gox mRNA LEVEL
PDGF-AB
PDGF-BB
0
5
10
15
20
25
30
PDGF (ng/ml)

FIG. 8

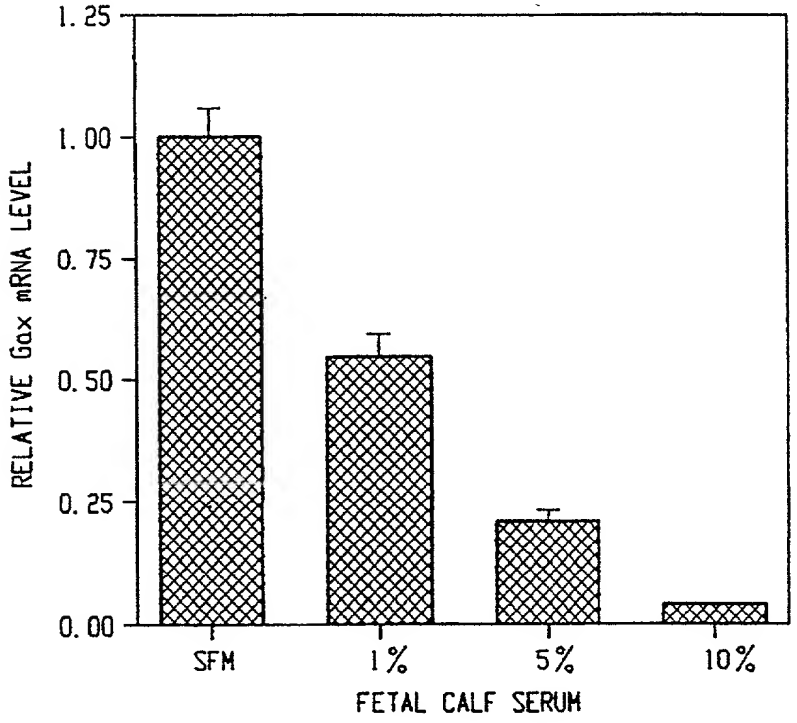

1.25
1.00
0.75
0.50
0.25
0.00
RELATIVE Gox mRNA LEVEL
SFM
1%
5%
10%
FETAL CALF SERUM

FIG. 9

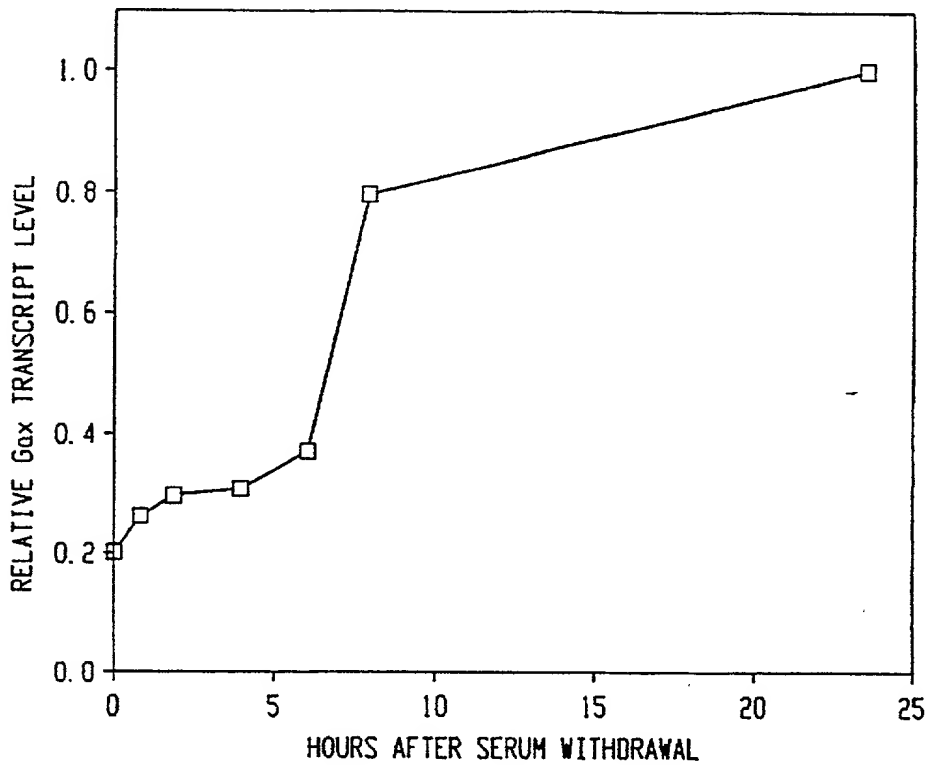
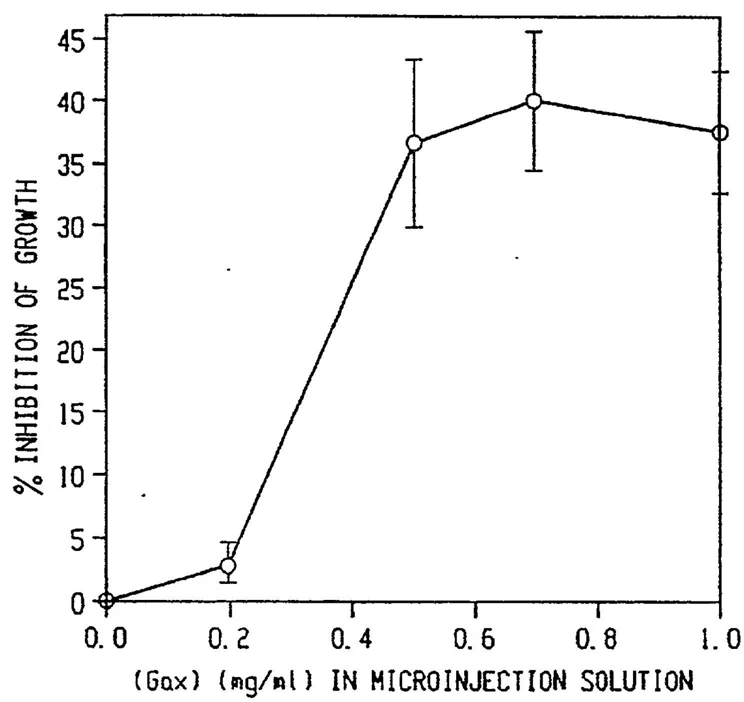

1.0
0.8
0.6
0.4
0.2
0.0
RELATIVE Gax TRANSCRIPT LEVEL
0
5
10
15
20
25
HOURS AFTER SERUM WITHDRAWAL

FIG. 10

FIG. 11


45
40
35
30
25
20
15
10
5
0
% INHIBITION OF GROWTH
0.0
0.2
0.4
0.6
0.8
1.0
(Gax) (mg/ml) IN MICROINJECTION SOLUTION

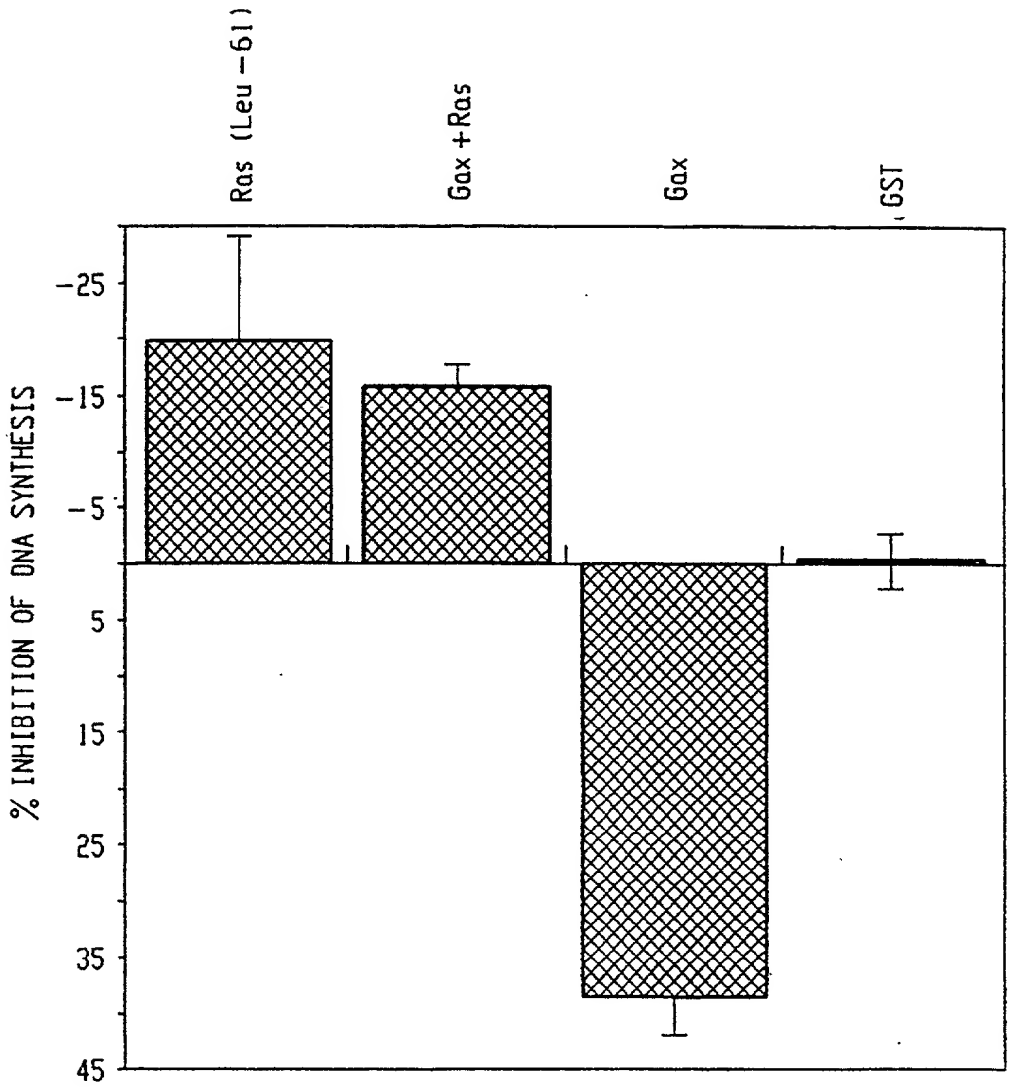

Ras (Leu-61)
Gax+Ras
Gax
GST
% INHIBITION OF DNA SYNTHESIS
-25
-15
-5
5
15
25
35
45

FIG. 12

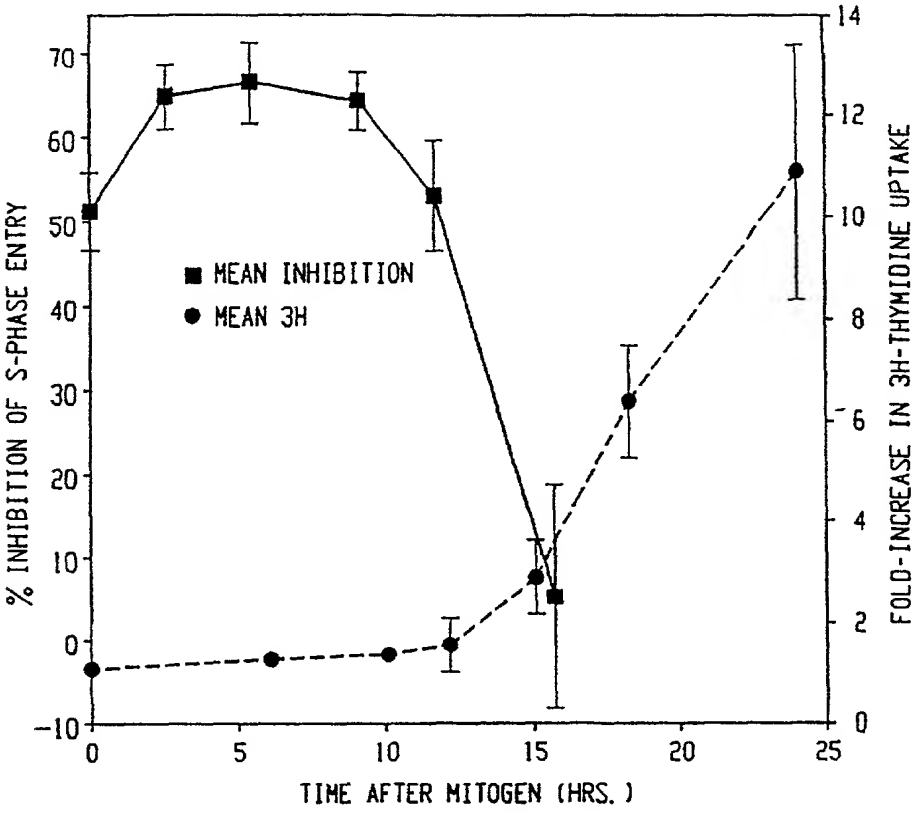

% INHIBITION OF S-PHASE ENTRY
FOLD-INCREASE IN 3H-THYMIDINE UPTAKE
TIME AFTER MITOGEN (HRS.)
MEAN INHIBITION
MEAN 3H
70
60
50
40
30
20
10
0
-10
14
12
10
8
6
4
2
0
0
5
10
15
20
25

FIG. 13

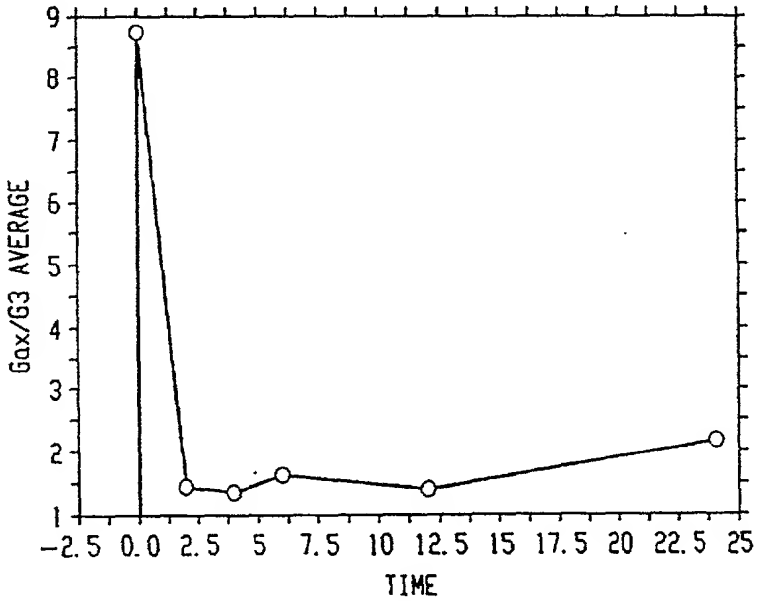

Gax/G3 AVERAGE
TIME
9
8
7
6
5
4
3
2
1
-2.5
0.0
2.5
5
7.5
10
12.5
15
17.5
20
22.5
25

FIG. 14